

Glycoscience Summer Course – tentative program

19th European Training Course on Carbohydrates

4-8 July 2027, Leiden University Medical Center, Albinusdreef 2, 2333RC Leiden,
the Netherlands

Sunday July 4, 2027 Opening		
15:00-16:00	Registration	
16:00-16.15	Opening	Organization
16.15-17.15	Highlights from research and applications	Hermen Overkleeft
17.15	Drinks and dinner	

Monday July 5, 2027 Carbohydrate Biosynthesis, Structure and Analysis – chair Marthe Walvoort		
8.45-9.35	Introduction to carbohydrate structure and nomenclature	Marthe Walvoort
9.35-10.25	Mammalian carbohydrates	Manfred Wuhler
10.25-10.40	Coffee/ tea break	
10.40-11.30	Analytics for plant poly- and oligosaccharide characterization	Mirjam Kabel
11.30-12.20	Polysaccharides of brown algae: alginates and fucans/fucoidans	n.n.
12.20-12.30	Group photo	
12.30-13.30	Lunch	
13.30-14.20	NMR methodologies and strategies in glycoscience	Ana Arda
14.05-14.55	Mass spectrometry approaches in glycoscience	Manfred Wuhler
14.55-15.45	Pitches of participants, part 1	Participants
15.45-16.10	Coffee/ tea break	
16.10-17.00	Speakers corner	n.n.
17.00-19.00	Poster session, part 1, with drinks & snack	
19.00	Dinner	

Tuesday July 6, 2027 Enzymes and Tools – chair Mirjam Kabel		
08.45-9.35	Advanced NMR for providing glycobiological insights	Ana Arda
9.35-10.25	Chemical biology in glycoscience	Marthe Walvoort
10.25-10.50	Coffee/ tea break	
10.50-11.40	Carbohydrate-active enzymes	Mirjam Kabel
11.40-12.30	Chemical biology of CAZymes	Zach Armstrong
12.30-13.40	Lunch	
13.40-14.30	Chemical synthesis of glycans	Jeroen Codée
14.30-15.20	Chemo-enzymatic synthesis of glycans and glycoconjugates	Geert-Jan Boons
15.20-16.10	Pitches of participants, part 2	Participants
16.10-18.10	Poster session, part 2, with drinks	
18.30	Dinner	

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Wednesday July 7, 2027 Glycobiology – chair Manfred Wuhrer		
8.45-9.35	Genetic engineering of the human glycome	Christian Büll
9.35-10.25	Cancer glycoproteomics	Noortje de Haan
10.25-10.40	Coffee/ tea break	
10.40-11.30	Glycosylation and its impact on anti-tumor immunity	Sandra van Vliet
11.30-12.20	Glycosylation and viral infection	Robb de Vries
12.20-13.15	Lunch	
13.15-14.05	Carbohydrates and the immune system	n.n.
14.05-14.55	Mining CAZymes of the human microbiome	n.n.
15.15-15.30	Coffee/ tea break	
15.30-16.20	GlycoShape: A 3D glycan structure database and toolbox for glycoscience	Elisa Fadda
16.20-18.20	Glycan analysis assignment	Noortje de Haan, Manfred Wuhrer
18.30	Dinner	

Thursday July 8, 2027 Applications of Glycoscience		
09.00-9.50	Plant polysaccharide structure and function	n.n.
09.50-10.40	Overcoming the dietary fibre gap: insights from academia and	Francisco Vilaplana
10.40-11.00	Coffee/ tea break	
11.00-11.30	GlycoDiagnostics – N-glycan test to detect liver fibrosis	Katarina Madunic
11.30-12.00	Glycoscience startup presentation	n.n.
12:00-12:30	Glycoscience startup presentation	n.n.
12.30-12.45	Closure	Marthe Walvoort, Mirjam Kabel, Manfred Wuhrer
12.45-13.30	Lunch	
13.30	Travel back home	